

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property Organization International Bureau



(43) International Publication Date
29 January 2004 (29.01.2004)

PCT

(10) International Publication Number
WO 2004/010408 A3

(51) International Patent Classification⁷: G09G 3/36, G02F 1/1362

(21) International Application Number: PCT/IB2003/003026

(22) International Filing Date: 8 July 2003 (08.07.2003)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data: 0216904.3 20 July 2002 (20.07.2002) GB

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(81) Designated States (national): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

(84) Designated States (regional): ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

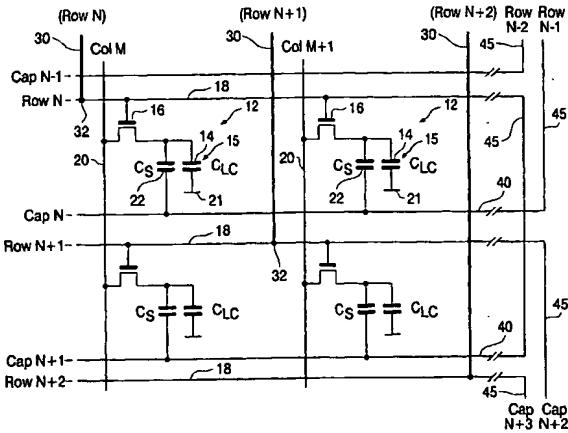
Published:

— with international search report

(88) Date of publication of the international search report: 21 May 2004

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: ACTIVE MATRIX LIQUID CRYSTAL DISPLAY DEVICE



WO 2004/010408 A3

(57) Abstract: An active matrix liquid crystal display device has an array of picture elements (12), each comprising a picture element electrode (14) and a switching device (16), addressed by crossing sets of selection (row) and data (column) address conductors (18, 20), and a set of supplementary connection lines (30) extending in the direction of the data address conductors (20) and connected to respective ones of the row address conductors (18) enabling addressing of the array from one side or opposed sides. Each picture element includes a storage capacitor (22) connected to its picture element electrode and a capacitor line (40) shared by picture elements in the same row. The selection conductor of one row of picture elements is coupled to a respective capacitor line associated with a different row, for example via a connection line (45) at their ends, whereby each connection line is connected to a respective selection conductor for the row of picture elements and the capacitor line for another row coupled thereto. In addition to enabling unwanted display artefacts caused by spurious parasitic capacitances to be avoided, the arrangement also allows capacitively coupled drive schemes to be employed with the necessary drive signals being supplied through the connection lines.

INTERNATIONAL SEARCH REPORT

International Application No
PCT/IB 03/03026

A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 G09G3/36 G02F1/1362

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
IPC 7 G09G G02F

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	US 5 706 023 A (TAKEDA ETSUYA ET AL) 6 January 1998 (1998-01-06) abstract column 7, line 45 -column 8, line 52; figures 6-9 ---	1,2,5-7
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Y	US 5 748 169 A (ITOH GOH ET AL) 5 May 1998 (1998-05-05) abstract column 8, line 22 -column 9, line 42; figures 10,14,15,19 column 13, line 38 - line 65 ---	1,2,5-7

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Patent family members are listed in annex.

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Date of the actual completion of the international search

2 February 2004

Date of mailing of the international search report

16/02/2004

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INTERNATIONAL SEARCH REPORT

Internat'l Application No
PCT/IB 03/03026

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